

TENENBAUM, Barbara; MAZURCZAK, Jerzy; URSYN-NIEMCEWICZ, Witold

Immuno-electrophoretic studies on acute-phase proteins. Pol. arch.
med. wewnet. 32 no.6:597-604 '62.

1. Z IV Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof.
dr med. Z Askanas i z Kliniki Gruzlicy Płuc AM w Białymstoku Kierownik:
doc. dr med. W. Pregowski.

(C REACTIVE PROTEIN chem) (ELECTROPHORESIS)

URSZ, Miklosné, okleveles gépészmérnök, tudományos munkatárs

basic laws governing the optical double refraction of fibrous materials and their application in fiber testing. Magyar Textil 16. no. 5:201-206 My '64.

1. Research Institute of the Textile Industry, Budapest.

URTAR, B.

6
(2)
/ Problem and experiments of the production of fumaric acid.
B. Urtar and P. Luetic (*Kem. Industr., Zagreb*, 1953, 2, 40-42;
3, 69-71).—Various possibilities of obtaining fumaric acid by oxida-
tion of furfuraldehyde and by biological processes are described and
a report is given on recent experiments at the Zagreb Institute for
Industrial Research.

O. POTTER.

11-8-54
md

URTAYEV, G. T.

Lumbering

Valuable manual for workers engaged in automobile transportation of lumber. Les. bron 12
No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 195²₃. Unclassified.

1. ZAV'YALOV, M. A.; URTAEV G. T.
2. USSR (600)
4. Lumbering
7. New textbook on land transport of timber ("Land transport of timber."
Prof. V. V. Buvert, Docent B. D. Ionov, Docent M. I. Kishinskiy, Docent
S. A. Syromyatnikov. Reviewed by M. A. Zav'yalov, G. T. Urtaev.)
Les. prom., 13, no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

URTAYEV, G.T.

DMITREVSKIY, Semen Mikhaylovich; URTAYEV, G.T., redaktor; NIKOLAYEVA, I.I.,
redaktor izdatel'stva; SHITS, V.P., ~~tekhnicheskiy~~ redaktor

[Maintenance and repair of narrow-gauge railroads] Soderzhanie i
remont uzkokoleinykh zheleznnykh dorog. Moskva, Goslesbumizdat, 1957.
96 p. (MLRA 10:5)

(Railroads, Narrow-gauge--Maintenance and repair)

SHCHERBAKOV, Igor' Petrovich; URTAYEV, Georgiy Timofeyevich; MIKHAYLOVA,
L.G., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Forests and forest industries of Yakutia] Lesa i lesnaia pro-
myshlennost' IAKutii. Moskva, Goslesbumizdat, 1961. 108 p.

(MIRA 14:7)

(Yakutia--Forests and forestry) (Yakutia--Lumbering)

KOMAROVSKAYA, Anna Stepanovna, kand. tekhn. nauk; TRUSOV, Vasilii Pavlovich; VAL'KOV, Aleksandr Stepanovich, inzh.; URTAYEV, G.T., red.; MEL'NIKOVA, A.G., red. ~~izd-va~~; PARAKHINA, N.L., ~~tekhn.~~ red.

[Maintenance and repair of narrow-gauge logging railroads] *Soderzhanie lesovoznykh uzkokoleinykh zheleznykh dorog*. Moskva, Goslesbumizdat, 1961. 121 p. (MIRA 14:9)
(Railroads, Narrow-gauge) (Lumber—Transportation)

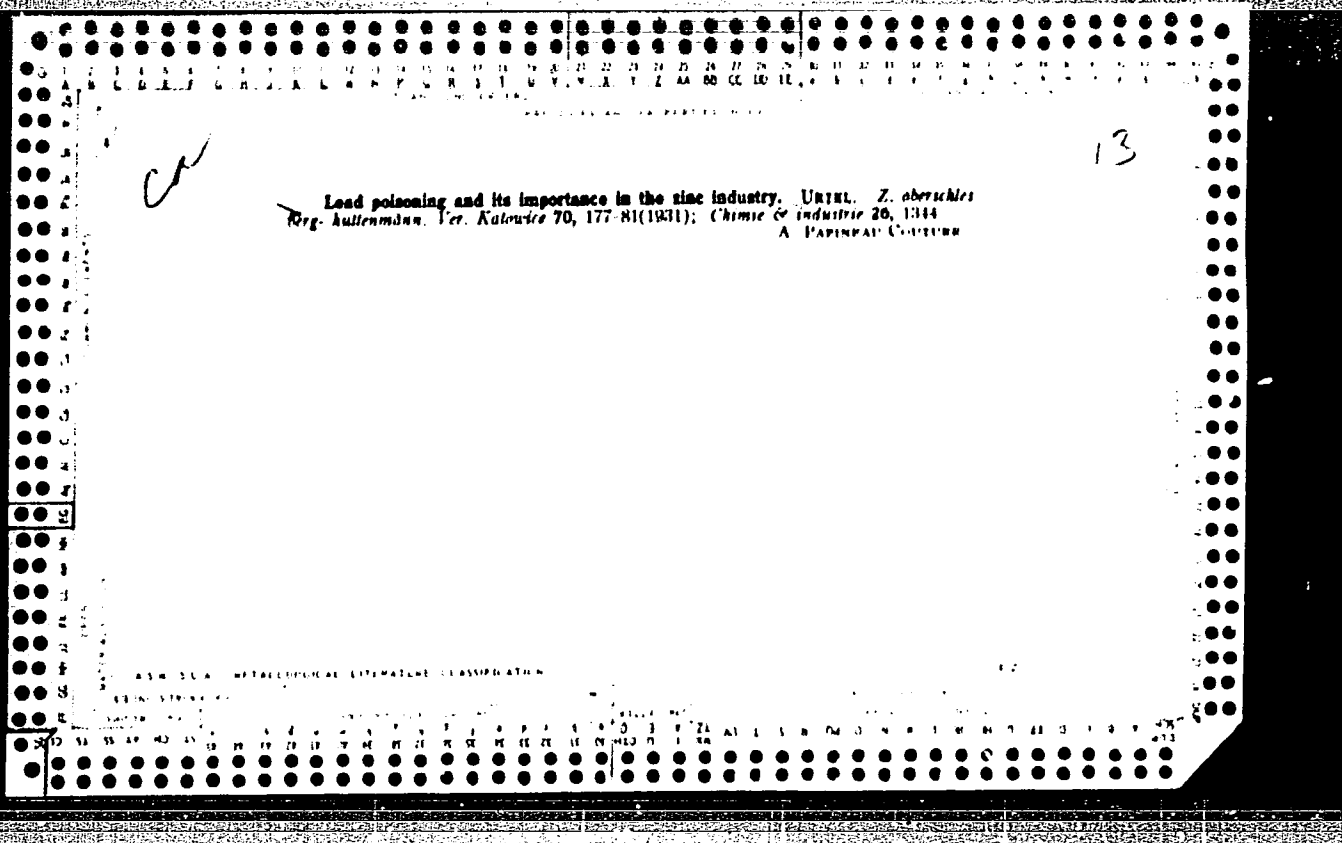
URTAJEVA, L.

Made of horn and bone. From. koop. no.3:21-22 Mr '57.

(MIRA 10:4)

1. Khudoshestvennyy rukovoditel' kosteresnogo otdeleniya Kombinata
im. Mikoyana.

(Bone carving)



ZAMFIRESCU, N.; BILTEANU, G.; URTILA, S.

Influence of temperature on the absorption of phosphorus by maize,
beans, peas, determined with the help of radioactive phosphorus. P32.
Studii cerc biol veget 12 no.1:107-119 '60. (ZEAI 10:1)

1. Comunicare prezentata de N.Salageanu, membru corespondent al Acad
Academiei Republicii Populare Romine

(Phosphorus)	(Absorption)	(Corn (Maize))
(Beans)	(Peas)	(Radioisotopes)

BUICAN, D.; URTILA, St.; IONESCU, Al.; LUPAS, V.

Contributions to the study of radicular nutrition of fall grain and double hybrid maize in respect to the hydric regime and applied fertilizers. Studii cerc biol veget 13 no.1:75-86 '61.
(EEAI 10:9)

1. Comunicare prezentata de N. Salageanu, membru corespondent al Academiei RPR.

(Grain)	(Corn(Maize))	(Hybridization, Vegetable)
(Roots)	(Hydrogen)	(Fertilizers and manures)

ZAMFIRESCU, N.; URTILA, St.

Influence of the light on the absorption of phosphorus in maize and soybean, determined by means of the isotope P^{32} . Studii cerc biol veget 13 no.4:507-516 '61.

1. Comunicare prezentata de N. Salageanu, membru corespondent al Academiei R.P.R., membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari de biologie; Seria biologie vegetala".

TARUSOV, B.N.; KOZLOV, Yu.P.; URTILE, S.; CHZHOU YUN-TSZEN [Chou Yung-tseng]

Free radical processes in irradiated homogenates of animals tissues.
Dokl. AN SSSR 163 no.3:752-753 J1 '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet. Submitted November 25,
1964.

URTMINTSEV, N.

Improving the work standards of the tugboat fleet. Mor. 1 rech.
flot 14 no. 12:4-7 D '54. (MIRA 8:1)

1. GIIVT.
(Tugboats)

URTMINTSEV, N. A.

Urtmintsev, N. A. -- "Organization of the Work of a Roadstead Fleet in River Transport."
Min River Fleet USSR, Administration of Schools, Gor'kiy Inst of Engineers of Water
Transport, Gor'kiy, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya "etopis", No. 24, Moscow, Jun 55, pp 91-104

UPL'YEV, V. P.

TABLE I BOOK EXTRACTS

807/995

Metallurgy, Journal, No. 2 (Metallurgy Collection of Articles, No. 2),
Leningrad, Metallurgy, 1959, 302 p., 2,500 copies printed.

Step, M.I., G.I. Karpin, Candidate of Technical Sciences; M.I. V.I. Gerasimov
and P.I. Golubev, Tech. Sci. V.I. Troshin.

REMARK: This collection of articles is intended for technical personnel at
industrial plants and at research and educational institutions. It may also
be used by students taking courses in advanced metallurgy.

COMMENT: The articles present the following material: original data on the
production of steel in open-hearth, electric, and vacuum arc furnaces; infor-
mation on the rolling of steel sheets of variable thickness along the width;
results of an investigation of sheet metal made from large ingots; and problems
of measuring the temperature of liquid steel. Some theoretical analysis of
production processes is included, and practical recommendations are given
concerning specific problems. No personal data are mentioned. Most of the
articles are accompanied by references.

Stepin, L.Ya., Candidate of Technical Sciences. Effect of the Steel-
making Method on the Quality of Austenitic Steel. 54

Andreyev, I.A., Professor, and L.Ya. Gushkin. Ways of Improving Metal
Quality Based on the Results of Process Control by the Ultrasonic Method
of Detecting Flaws in Acid and Basic Open-Hearth Steel With High
Chromium Content. 67

Andreyev, I.A. Necessary Accuracy of Measurements for
Setting Standards for the Temperature for the Tapping
and Treading of Steel. 89

Andreyev, I.A., and K.E. Kozlovskiy. Application of the Automatic
Color Pyrometer for Measuring the Temperature of Liquid Steel. 115

Ermer, I.V., Engineer. The Feasibility of Measuring the Temperature
of Liquid Steel and Tapped Iron by a Calibrated Non-Temperature Thermo-
couple. 126

Gusev, P.I., and K.E. Kozlovskiy. Negative Migration of Impurities
in Steel Ingots. 136

Aliekhin, B.Y., Engineer. Migration of Alloying Elements Within the
Grains of Primary Crystallization in Structural Steel. 142

Golovinskiy, L.S., Candidate of Technical Sciences. A.M. Kulikov,
Engineer, and V.S. Petukhov, Engineer. Rolling Sheets of Irregular
Cross Section. 153

Polunin, V.S., Engineer. On the Theory of Determining the Average
Rolling Diameter in Rolling With Crowned Rolls. 165

Petrov, V.S., Engineer. Determination of the Coefficient of Elongation
in Rolling Strip With Bimodular Reduction Along the Width. 176

Polunin, I.V., Candidate of Technical Sciences. Distinguishing Features
of Acting in Vacuum Arc Furnaces. 188

Polunin, I.V., and P.I. Kozlovskiy, Engineer. Method of Producing and
Rolling Extended Commercially Pure Titanium Alloys. 221

Polunin, I.V., and V.P. Gulyayev, Engineer. Some Process Problems in the
Production of Titanium in Vacuum Arc Furnaces. 236

Polunin, V.S., and V.S. Petukhov, Engineer. Methods of Making Addition
Alloys for Titanium Alloys. 251

Polunin, S.M., Candidate of Technical Sciences. Purifying of Titanium
Alloys. 269

Polunin, S.M., S.A. Kabanovskiy, Engineer, and P.I. Kozlovskiy,
Engineer. Process Characteristics of the
Production of Hot-Rolled 18-0/3 Titanium-Alloy Sheets. 282

Polunin, S.M., Engineer, and S.M. Kabanovskiy, Engineer. Feasibility of
Using Annealed Titanium Foils. 294

Cont. 5/5

W/cont/cont
7-8-80

POLIN, I.V., kand.tekhn.nauk; URT'YEV, V.P., inzh.

Technology of making titanium in vacuum furnaces. Metallurgiya
2:236-250 '59. (MIRA 14:3)

(Titanium--Electrometallurgy)
(Vacuum metallurgy)

URT'YEV, V.P., inzh.; MAKSIMOV, V.M., inzh.

Methods of making addition elements for titanium alloys.

Metallurgiya 2:251-268 '59.

(MIRA 14:3)

(Iron alloys—Electrometallurgy)

(Aluminothermy)

URT'YEV, Viktor Petrovich; LUR'YE, Vitol'd Samar'yevich; ISAYEV,
Al'bert Semenovich; ORLOV, Nikolay Il'ich; TSYPLUKHIN, Petr
Gavrilovich; SOKOLOV, A.N., red.; SHILLING, V.A., red.izd-va;
BELOGUROVA, I.A., tekhn. red.

[Vacuum arc furnace] Dugovaya vakuumnaia pech'. Leningrad, 1962.
25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Ob-
men peredovym opytom. Seriya: Liteinoe proizvodstvo, no.5)
(MIRA 16:2)

(Electric furnaces) (Vacuum metallurgy)

AFANAS'YEV, A.P.; ANUCHIN, V.G.; VINOGRADOV, K.V.; GARANINA, M.M.;
GILEROVICH, M.M.; DUBROVSKIY, Ye.P.; YEVSTIGNEYEV, A.A.; IOKHVIN,
M.R.; KALMYKOV, P.M.; KRENGEL', I.TS.; LOSEV, I.G.; MAYEVSKIY,
F.M.; MAZEL', S.I.; MIZHERITSKIY, G.S.; NOVIKOV, M.I.; NAZAR'YEV,
O.V.; PCHELKINA, I.A.; RAZUMOV, V.S.; ROZENBLYUM, I.M.; SEROV, B.P.;
SKRYPNIK, T.I.; SAL'VIN, Ye.S.; SMOTRINA, V.F.; TELEPNEVA, N.S.;
FIL'CHAKOV, N.I.; KHRAPUNOVA, Ye.L.; UNDREVICH, G.S.; UR'T'YEV, P.P.;
SHILOV, A.A.; SHLYKOV, A.P.; KIRILLOV, L.M., red.; MARKOCH, M.G.,
tekhn.red.

[Regulations on the construction of minicipal telephone network lines]
Pravila po stroitel'stvu lineinykh sooruzhenii gorodskikh telefonnykh
setei. 2.izd. Moskva, Sviaz'izdat, 1962. 511 p. (MIRA 15:5)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi. Glavnoye upravleniye
kapital'nogo stroitel'stva.
(Telephone lines)

Dr. J. GILBERTOVA, V., DESEG, S., Chair of Diagnostics
of the Veterinary Faculty of the University of
Bratislava, Head Inst. Prof. J. Rabrt (Patent
Glebošiky Vet. fakulty VŠZ v Bratislave, prednosta doc.
J. Rabrt).

Effect of the Acidity of Fat in Grouse During Storage.

Veterinary Medicine, Vol. 8, No.1, Jan. 63, pp

Alimentary [patrons' English summary modified] : Grains show little increase of fat acidity in storage. Acidity in grouts increases with the duration of storage; this no doubt is due to the destruction of the protective outer layers of the grain. Grout should not be stored and when this becomes necessary antioxidants should be added.

TSYGODA, I.M.; KAZAKOV, V.N.; KOLESNIKOV, N.A.; BRYUKHANOV, N.G.; BURBA, A.A.;
SADYKOV, V.I.; PIGAREV, A.D.; Prinimali uchastiye: PECHENKIN, S.N.;
GLAZACHEV, G.M.; KHVESYUK, F.I.; KODINTSEV, A.V.; YERGALIYEV, E.Ye.;
YERMAKOVA, Z.S.; NOVAK, I.V.; KHIL'KO, I.Ye.; LYASHEVSKIY, R.A.; PROKHO-
BOV, A.I.; CHERTOVA, N.G.; URUPKO, V.N.; KUCHUGHEV, V.N.

APPROVED FOR RELEASE: 03/14/2001 V.N. KUGUCHEN V.N. CIA-RDP86-00513R001858110004-3

Industrial testing of a flow sheet for the processing of Altai complex metal ores along the lines of the flow sheet used at the Mednegorskii Combine. TSvet. met. 36 no.12:12-15 D '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy gorno-metallurgicheskii institut tsvetnykh metallov (for Pechenkin, Glazachev, Khvesyuk, Kodintsev). 2. Irtyshskiy polimetallicheskiy kombinat (for Yergaliyev, Yermakova). 3. Mednogorskiy medno-sernyy kombinat (for Novak, Khil'ko, Lyashevskiy, Prokhorov, Chertova, Urubko, Kuguchev).

PHASE I BOOK EXPLOITATION 507/2216

5(a)

Soveshchaniye po elektrokimii. 4th, Moscow, 1956.

Trudy... [sbornik] (Transactions of the Fourth Conference on Electrochemistry; Collection of Articles). Moscow, Izd-vo AN SSSR, 1959. 868 p. Khrata slip inserted. 2,500 copies printed. Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk.

Editorial Board: A.M. Frumkin (Resp. Ed.), Academician, O.A. Yezlin, Professor, S.I. Zhdanov (Resp. Secretary), B.S. Kabanov, Professor, S.I. Zhdanov (Resp. Secretary), B.M. Kabanov, Professor, V.M. Kolotyrkin, Doctor of Chemical Sciences, V.V. Losev, P.D. Lukovtsev, Professor, Z.A. Solov'yeva, V.V. Stender, Professor, and G.M. Florinovich; Ed. of Publishing House: R.G. Iegorov; Tech. Ed.: T.A. Frusakova.

PURPOSE: This book is intended for chemical and electrical engineers, physicists, metallurgists and researchers interested in various aspects of electrochemistry.

COVERAGE: The book contains 127 of the 139 reports presented at the Fourth Conference on Electrochemistry sponsored by the Department of Chemical Sciences and the Institute of Physical Chemistry, Academy of Sciences, USSR. The collection pertains to different branches of electrochemical kinetics, electrochemistry, electrochemical processes, electrochemical corrosion and industrial electrolysis. Abstracted discussions are given at the end of each article. The majority of reports are given at the end of each article. The majority of reports are given at the end of each article. The majority of reports are given at the end of each article. References are given at the end of most of the articles.

Khan, O.A., E.I. Umkova, V.A. Kuznetsova, and A. Ya. ~~Frusakova~~ Production of High-Purity Zinc by the Method of Electrolytic Purification 558

Popov, S. Ya. Galvanic Films From Complex Ammonia and Ammonium Electrolytes 561

Discussion [Yu. V. Lyrlov, B.S. Krasikov, B. Ya. Karsachey, ~~O.S. Franchuk~~, M.V. Dudin, A.M. Gerasov and contributing authors] 564

PART VI. PASSIVITY OF METALS AND CHEMICAL CORROSION LAYERS 577

Bonkheffer, K.P. (Deceased) (Germany). Activation of Passive Iron 579

Kolotyrkin, Ye. M., V. M. Kuznetsov, and M. Ya. Buzik (Physicochemical Institute imeni L. Ya. Karpova). Anodic Passivation of Metals in Aqueous Solutions of Electrolytes 594

Card 23/34

81491

SOV/137-59-5-10155

183100

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, pp 101 - 102
(USSR)

AUTHORS: Khan, O.A., Urubkova, E.I., Kuznetsova, V.A.

TITLE: A New Hydrometallurgical Method of Obtaining High-Purity Zinc ¹

PERIODICAL: Rudnyy Altay, (Sovnarkhoz Vost.-Kazakhstansk. ekon. adm. r-na),
1958, Nr 1, pp 26 - 28

ABSTRACT: The authors developed a technological system of obtaining high-purity Zn by the method of electrolytic Zn refining in a $ZnSO_4$ solution with profound purification of the spent electrolyte from impurities. Electrolytic refining was carried out in rectangular tanks lined with "viniplast" (vinyl plastic), at $D = 800 - 1,000 \text{ amps/m}^2$ and $35^\circ - 40^\circ\text{C}$. Purified electrolyte, containing 100 - 110 g/l of Zn, was continuously supplied to the tanks. Anodes of 30 - 35 kg weight were cast of "TsO" and "TsV" grade electrolytic zinc. The cathode spaces in the baths were separated from the anode spaces by perchlorovinyl or caprone diaphragms on a "viniplast" carcass. The initial solution was

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51493

SOV/137-59-5-10155

A New Hydrometallurgical Method of Obtaining High-Purity Zinc

obtained by dissolving cathode Zn plates in a "KhCh" grade H_2SO_4 solution, prepared with distilled H_2O . Purification of the spent solution was carried out in two stages. For the primary (rough) purification the solution was subjected to agitation with Zn-dust (250 g/100 l of the solution) for 30 minutes without heating; it was then filtered on a porcelain nutch-filter. The secondary (profound) purification was carried out with the aid of complexing agents (dimethyl glyoxime and sodium diethyl-dithio carbamate) forming difficultly soluble complexes with the majority of Zn-electrolyte impurities. The complexes formed were adsorbed by activated carbon. The consumption of dimethyl glyoxime, sodium diethyl-dithio carbamate and carbon per 100 l of the solution was 10, 18 - 20 and 15 - 20 g, respectively. After purification, the solution was filtered, acidified with H_2SO_4 up to pH 3.4 - 4.2 and returned to the electrolytic bath. The cathode Zn was remelted in a quartz furnace of 20 kg capacity having a nickel-chromium heater. The purity of the Zn obtained was 99.9983 - 99.9992%. The content of impurities was (in %): Cu $1 \cdot 10^{-5}$ - $5 \cdot 10^{-5}$, Fe $5 \cdot 10^{-5}$, Pb $5 \cdot 10^{-4}$ - $8 \cdot 10^{-4}$, Cd $5 \cdot 10^{-4}$ - $7 \cdot 10^{-4}$, Sn $1 \cdot 10^{-5}$, Ni $3 \cdot 10^{-5}$, Co $3 \cdot 10^{-5}$.

Card 2/2

V. G.

137-1958-3-4900

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 63 (USSR)

AUTHORS: Khan, O. A., Urubkova, E. I., Kuznetsova, V. A.

TITLE: An Electrolytic Method for the Production of High-purity Zinc
(Elektroliticheskiy metod polucheniya tsinka vysokoy chistoty)

PERIODICAL: Tr. Altaysk. gornometallurg. n.-i. in-ta, 1957, Vol 5,
pp 76-81

ABSTRACT: In order to obtain high-purity Zn from Ts-O type metal, a method of electrolytic refining of Zn in a "neutral" solution of zinc sulfate was tested under semi-industrial conditions. The apparatus employed was vinyl-plastic coated, a diaphragm made of vinyl perchlorate fibers, an electrolyte free of all impurities, and distilled water. The following optimal regimen was established for the process: $D_k = 900-1200 \text{ a/m}^2$; Zn content in the electrolyte: 90-120 g/liter; temperature of the electrolyte: $25^\circ-35^\circ$; duration of the electrolysis process: 6 hours. Cathodic Zn contained (in percent): Fe < 0.0005, Cd < 0.003, Cu < 0.0003, Pb < 0.003, and Sn < 0.0001.

L. P.

Card 1/1

137-58 4-6849

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4 p 76 (USSR)

AUTHORS Getskin, L.S., Yurenko, V.M., Urubkova, E.I., Margulis Ye.V.

TITLE Effect of Increased Rate of Electrolyte Circulation on Zinc Electrolysis Indices (Vliyaniye uvelichennoy skorosti tsirkulyatsii elektrolita na pokazateli elektroliza tsinka)

PERIODICAL. Sb. tr. Vses. n.-i. in-ta tsvetn. met., 1956 Nr 1 pp 99-111

ABSTRACT. Laboratory and industrial tests have shown that with a standard industrial electrolyte composition and with $D = 500 \text{ amp/m}^2$, a 5-fold increase in the rate of circulation of the electrolyte over the usual makes it possible to increase the Zn current efficiency by 2-2.5% and to reduce the power consumption by 1% due to reduction of bath voltage.

G.S.

1. Electroplating--Processes 2. Electrolyte--Applications

Card 1/1

66301

5.1310, 18.3100

SOV/136-59-11-19/26

AUTHORS: Penkina, I.S., Urubkova, E.I., Deshevykh, I.G. and
Fedorova, K.L.

TITLE: Semi-Industrial Tests on High Purity Zinc Production

PERIODICAL: Tsvetnyye metally, 1959, Nr 11, pp78-79 (USSR)

ABSTRACT: Experiments have been carried out by VNIITsvetmet on a pilot plant of the "Ukrtsink" establishment in order to test a method of electrolytic refining of ingot zinc in a zinc sulphate electrolyte, purifying the latter in two stages. The electrolyte was kept cool by aluminium pipes covered with bakelite varnish. The cathode metal was deposited on to "TsV" zinc cathodes, 320 x 400 mm; the cathodes were first ground and polished until a mirror finish was obtained. After this treatment their thickness was 5 mm. "TsO" zinc anodes, 27 kg in weight, were cast in special cast iron moulds. These anodes were placed in special cells in the bath which were covered with a double layer of perchlorvinyl fabric. The original electrolyte was made by two methods with a two-stage purification:

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66301

SOV/136-59-11-19/26

Semi-Industrial Tests on High Purity Zinc Production

1) by dissolving acid sulphate "KhCh" zinc salt in distilled water; 2) by dissolving metallic "TsO" zinc filings in sulphuric acid solution. The zinc concentration in the electrolyte was not less than 97 to 100 g/l. The following were used for the purification of the electrolyte: zinc dust from the Belovskiy Plant, dimethyl glyoxime "ChDA" in the form of a 1% solution, diethyl dithiocarbamate as a 3% solution, and the activated charcoal "KAD". Electrolysis was carried out under the following conditions: current density - 800 to 600 A/m², rate of circulation - 38 to 61 m³/ton of cathode zinc, duration of electrolysis - 5 to 10 hours. The purity of the zinc obtained at the cathode was 99.9998. The following conditions have been found to give the best results in the pilot plant operating at present: ✓

Card 2/3

66301

SOV/136-59-11-19/26

Semi-Industrial Tests on High Purity Zinc Production
current density - 700 A/m^2 , rate of circulation not
less than $45 \text{ m}^3/\text{ton}$ cathode zinc, duration of
electrolysis not more than 6 to 7 hours.

ASSOCIATIONS: VNIITsvetmet (I. S. Penkina, E. I. Urubkova)
Zavod "Ukrtsink" ("Ukrtsink" Works) (I. G. Deshevykh,
K. L. Fedorova)

Card 3/3

4

URUCHEV K.

13

1. General (General) (1960-1961)
2. General (General) (1962-1963)
3. General (General) (1964-1965)
4. General (General) (1966-1967)
5. General (General) (1968-1969)
6. General (General) (1970-1971)
7. General (General) (1972-1973)
8. General (General) (1974-1975)

TABAKOV, B.; STAMATOV, T.; URUCHEV, K.

Staphylococcosis in rabbits. Izv Vet inst zaraz parazit 8:
225-229 *64.

APPROVED FOR RELEASE: 03/14/2001
URUCHEV, K.

CIA-RDP86-00513R001858110004-3

The Seventh Republican Contests in Radiotelegraphy. "RADIO" Ministry
of Communications, #9:4:Sep. 55

URUGHEV, K.

URUCHEV, K.

Seventh National Competition in Radio-telegraphy. p. L.

Vol. 4, no. 9, 1955

RADIO

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

URUCHEV, K.

An economic 40-watt transmitter. p.15.

(RADIO I TELEVIZIIA, Vol. 6, no. 3, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

URUDZHEV, R.S., aspirant; KUTYANIN, G.I., prof.

Chrome leather shrinkage during heating. Kozh.-obuv. prom. 5
no.11:32-34 N '63. (MIPA 17:1)

МУХАНОВ, Г. И., МУХАНОВ, Г. И.

Method for studying the heat resistance of polymers. Izv.
lab. 30 no.9:1130-1131 '64. (MFA 1813)

1. Institut narodnogo khozyaystva imeni Plakhanova.

L 63785-65 EWT(m)/EWP(J)/T RM
Accession NRI AP8010632

BR/0163/05/000/000/0059/0061
077,000,000,12

Authors: Gendler, R. D., Palladov, B. A., Kulyand, M. J., et al.
The authors of the present article, in their work, have
studied the properties of the fibers of the type of the
capron, which are used in the production of the fibers of the
type of the capron. The authors have shown that the shrinkage
of capron on its degree of stretching was established. The dependence of the shrinkage
on heating increases with the stretching of the fiber. However, this dependence

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L 63785-65

ACCESSION NR: AP5019632

exists only up to a certain limit above which an increase in the degree of stretching has no appreciable effect on the shrinkage of the polymeric material (fiber).
Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Institut narodnogo khozyaystva im. G. V. Plekhanova (Institute of the National Economy)

SUBMITTED: 15Oct64

ENCL: 00

SUB CODE: HT, TD

NO REF SOV: 002

OTHER: 001

TITLE: Study of the thermal stability of polymer films

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001858110004-3

SOURCE: Plasticheskiye massy, no. 5, 1965, 44-45

TOPIC TAGS: polymer film, polymer heat stability, polyethylene terephthalate, polyvinylidene chloride, polymer film shrinkage, polyvinyl chloride, polyamide, polyethylene, viscous flow temperature

ABSTRACT: The authors studied the thermal stability of films of polyethylene terephthalate and polyvinylidene chloride (15 and 30 microns thick), and found that the magnitude of the thermal deformation of the material (shrinkage) and internal stress are affected by such factors as the rate at which the temperature rises in the heat-conducting medium and the direction of cutting of the samples. Samples cut out in different directions show different values of maximum shrinkage; in longitudinal samples the shrinkage is considerably greater than in transverse ones. The authors then studied the thermal stability of longitudinal samples of polyethylene, polyvinyl chloride, polyamide, polyethylene terephthalate, and polyvinylidene chloride films. Polyethylene terephthalate films were

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L 54971-65
ACCESSION NR: AP5012107

found to have the highest thermal stability. Thermal deformation of the latter films showed the presence of two temperatures at which the properties changed: 110°C corresponded to shrinkage, and 245°C to the conversion of the polymer to a state of viscous flow. The thermal deformation curves of all the films showed two such points, one of which corresponds to the start of deformation (shrinkage at 110°C), and the other to the transition to the state of flow (fusion).
110°C and 245°C

Card

. KUTYANIN, G.I.; URUDZHEV, R.S.

Effect of moisture on the heat resistance of chrome tanned leather.
Kozh.-obuv.prom. 6 no.11:19-22 N '64.

(MIRA 18:4)

URULAVA, S.P.

[illegible]

URUMBAYEV, B.U.

Conglomerates in the red beds of the Dzhezkazgan-Ulutau region.
Izv. AN Kazakh SSR. Ser. geol. nauk 21 no. 6: 75-81 N-D '64.

(MIRA 18:3)

1. Institut geologicheskikh nauk im. K.I. Satpayeva AN Kaz SSR,
Alma-Ata.

BARKOV, Ivan, Inzn.: URUGOV, hoshil---, 19th.

The community, and sleeping in the vicinity of the water. From the
relation to no. 2359 162.

URUMOV, D., Inzh.

Unifying the methods and technical means for analysis of data
Kubitskikh I. (Moscow) (Soviet) (U.S.S.R.)

PAPOROTSKIY, L.A.; DAVYDOV, S.A.; LISITSYN, G.T.; URUMOV, T.M.; SAPARGALIYEV, M.S.; SULEYMANOV, M.S.; AN, M.Ch.

Comment on the article by O.A.Baikomurov and A.F.Kovrigo on "Ways of reducing labor consuming tasks in stopping at the Dzhezkazan Mine." Gor.zhur. no.3:77 Mr '60. MIRA 14:5)

1. Proizvodstvenno-eksperimental'noye upravleniye Soyuzvzryvprom, Moskva (for Paportotskiy, Davydov). 2. Nachal'nik buro-vzryvnykh rabot Dzhezkazganskogo rudoupravleniya (for Lisitsyn). 3. Nachal'nik shakhty no.51 Dzhezkazganskogo rudnika (for Urumov). 4. Nachal'nik burovzyvnykh rabot shakhty no.51 Dzhezkazganskogo rudnika (for Sapargaliyev). 5. Zamestitel' glav.inzh. shakhty no.51 Dzhezkazganskogo rudnika (for Suleymanov). 6. Starshiy inzh. Instituta gornogo dela AN KazSSR (for An).

(Dzhezkazgan—Stopping (Mining)
(Baikomurov, O.A.) (Kovrigo, A.F.)

BYUYRIN, A.I.; BAKAYEV, M.T.; URUMOV, T.M.; SALYKOV, K.; YESHPANOV, D.Ye.

Expediency of widening the panels in the Dzhzhkazgan Mine.
Trudy Inst.gor.dela AN Kazakh.SSR 9:13-20 '62. (MIRA 15:8)
(Dzhzhkazgan District--Mining engineering)

NEDELKOVSKI, Jone; MACALI, Marija; URUMOVA, Epsa

Appropos of 4 cases of chronic idiopathic jaundice (Dubin-Johnson syndrome), Med. Chron. med. Fak. Skopje 11:501-504 1964.

1. Informa delation on medical history, laboratory, clinical, and pathologic findings. 2. Informa delation on pathologic findings, laboratory, and clinical findings.

HRISOKO, Dimitrije; GROZDEV, Ljupco; URUMOVA, Epsa

Acute renal failure in acetic acid poisoning. God.Zborn.Med.
Fak,Skopje no.10:173-180 '63.

1. Interna klinika medicinskog fakulteta - Skopje (Direktor -
Prof. Dr. D. Arsov) i Patolosko-anatomski institut medicinskog
fakulteta - Skopje (Direktor - Prof. Dr. D. Miletic).

MKRTUMYAN, A.K., kand.tekhn.nauk; URUMYAN, E.S., inzh.

Manufacture of prestressed roofing slabs in molds. Bet.i zhel.-
bet. 8 no.4:155-157 Ap '62. (MIRA 15:5)
(Roofing, Concrete)

BRUKER, V.A.; NEMIROVSKIY, L.A.; URUMYAN, N.V., inzh.

Method for determining the economic effect resulting from the mechanization of postal operations. Vest. svyazi 23 no.12:14-15 D '63. (MIRA 17:2)

1. Nachal'nik proizvodstvenno-tekhnicheskoy laboratorii Moskovskogo pochtamta (for Bruker). 2. Starshiy inzh. proizvodstvenno-tekhnicheskoy laboratorii Moskovskogo pochtamta (for Nemirovskiy).

ABSTRACT: Results are presented of experimental measurements of the surface tension of a liquid (distilled water or 3% solution of trisodium phosphate), and also the efficiency with which a layer of lubricating material (bleached oil, commercial vaseline) could be removed from glass following different times of exposure to ultrasound of 22.5 kcs frequency. The hypothesis is advanced that there is a possible quantitative relation between the efficiency of degreasing and the change in surface tension. V. Akulichev. [Translation of abstract]

SUB CODE: 20

LS
Card 1/1

URUNBAYEV, K.

Genetic characteristics of magnetite-bearing skarns in the Kara-Kyz deposit. Uzb.geol.zhur. no.1:38-45 '60. (MIRA 13:6)

1. Institut geologii AN UzSSR.
(Kara-Kyz region (Uzbekistan)--Magnetite)
(Kara-Kyz region (Uzbekistan)--Skarns)

URUNBAYEV, K.

Role of assimilation processes in the formation of granitoids
in the Maydantal and Ikhnachkul'skiy Massifs. Uzb.geol.shur.
no.3:18-26 '60. (MIRA 13:11)

1. Institut geologii AN UzSSR.
(Chatkal Range--Granite)

URUNBAYEV, K.

Trace elements in skarn-ore and hydrothermal deposits of the middle
Pskem and Ugam Rivers. Uzb. geol. zhur. no.5:50-62 '60.

(MIRA 13:11)

1. Institut geologii AN UzSSR.
(Pskera Valley---Trace elements)
(Ugam Valley---Trace elements)

URUNBAYEV, K.

Skarn-ore formations in the middle Pskem River (Chatkal zomile).
Uzb.geol.zhur. 6 no.2:28-32 '62. (MIRA 15:4)

1. Institut geologii AN UzSSR.
(Pskem Valley--Skarns)

KHAMRABAYEV, I.Kh.; URUNBAYEV, K.; RABINOVICH, A.V.; NEUMEYECHEV, N.Ye.;
UL'MASOVA, M.

Distribution of rare alkalies and thallium in the rocks
and minerals of granitoid massifs in western Uzbekistan
and the central part of the Chatkal-Kurama Ranges. Uzb.
geol. zhur. 7 no.3:26-34 '63. (MIRA 16:11)

1. Institut geologii imeni Kh.M. Abdullayeva AN UzSSR.

URUNBAYEV, K.

Distribution of accessory minerals in granites in the contact
part of the Chalked-Kumuk Mountains, Dab. part, Dagestan, USSR.
1970, 1971.

URUNBAYEV, K.

Geochemical bases of Nb, Ta, Ga, Ge, Mo, W in granites in the central parts of the Chatkal-Kurama Mountains (southern Tien Shan). Uzb. geol. zhur. 9 no.5:66-73 '65.

(MIRA 18:11)
1. Institut geologii i geofiziki im. Kh.M. Abdullayeva
AN UzSSR. Submitted February 23, 1965.

Geophysics - Seismics

Jul/Aug 53

Article of the Article 'Short Reflected-Refracted
Wave is a Factor Which Lowers the Quality of Seis-
mic Data at the Russian Platform,' I. S. Berzon
in I. S. Berzon

in I. S. Berzon, Ser Geofiz, No 4, pp 388-390

Article of A. K. Urupov and L. A. Ryabin-
in I. S. Berzon, Ser Geofiz, No 4, pp 388-390
Article of I. M. Gubkina (Works of the Moscow
State University, No 12, pp 80-91,
1953, 9 rubles.

265T88

URUPOV, A.K.; RYABINKIN, L.A. [authors]; BERZON, I.S.; YEPINAT'YEVA, A.M. [re-viewers].

"Short-reflected-refracted waves as a factor which reduces the quality of seismic data of the Russian Platform." Izv. AN SSSR. Ser. geofiz. no. 4:388-390 J1-Ag '53. (MLRA 6:7)

(Russian Platform--Geophysics) (Geophysics--Russian Platform)

(Urupov, A.K.) (Riabinkin, L.A.)

URUPOV, A.K.
URUPOV, A.K.

 Kinematic characteristics of multiple mixed waves. Prikl.geofiz.
no.17:93-103 '57. (MIRA 11:2)
(Seismic waves)

URUPOV, A.K.
URUPOV, A.K.

Peculiarities in partial multiple reflected waves. Trudy MNI
no.18:168-183 '57. (MIRA 10:11)

(Seismic waves)

(Seismic waves) (monograph)

URupov, A.K.

507/2520
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 .. M.: A.R. Polosina,
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 12-31-59

URupov, A.K.

507/2515
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507/24
 12-31-59

URUPOV, A.K.

Correcting the refraction of rays when determining velocities by
means of refracted wave hodographs. Razved. i prom. geofiz. no. 21:
34-40 '58. (MIRA 11:10)

(Russian Platform--Prospecting--Geophysical methods)
(Refraction) (Hodograph)

URUPOV, A.K.

Simultaneous use of hodographs of reflected and refracted waves in
determining their mean propagation velocity. Razved. i prom.geofiz.
no.25:3-14 '58. (MIRA 12:4)

(Seismometry)

URUPOV, A.K.; BYAKOV, Yu.A.

Relation between the values of seismic velocities in individual
layers and longitudinal electric resistivities. Razved. i prom.
geofiz. no.38:94-97 '60. (MIRA 14:3)
(Perm Province--Seismic prospecting)

URUPOV, A.K.

Conversion of actual velocities into average velocities in
the case of two-layer media. Prikl.geofiz. no.30:79-91 '61.
(MIRA 14:10)

(Seismic prospecting)

. URUPOV, A.K.; BYAKOV, Yu.A.; SHIKHOV, S.A.

Using the refraction method for mapping areas of increasing
thicknesses in the lower Carboniferous terrigenous formation.
Geol. nefti i gaza 5 no. 2:29-31 F '61. (MIRA 14:2)

1. Permskiy gosudarstvennyy universitet i Trest Perm'neftegofizika.
(Volga-Ural region—Geology—Maps)
(Seismic prospecting)

S/124/62/000/003/049/052
D237/D302

AUTHOR: Urupov, A.K.

TITLE: The connection between the resultant and true velocities in the case of a curvilinear reflecting boundary

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1962, 22,
abstract 3V126 (Uch.zap. Permsk. un-t, 1961, 18, no.
4, 19 - 28)

TEXT: In connection with the interpretation of the seismographic data, the need is noted for simultaneous construction of the tables giving the relations (w/v), (S/H , R/H) and of graphs ($T_0 v/H$) (S/H , R/H) by means of which, together with the chart of isochrons and of effective velocities of the investigated surface, information can be obtained on the shape of the boundary and on the mean velocity distribution in the medium over the boundary: w - resultant velocity of longitudinal waves; v = true velocity; S - distance between the epicenter and the point to which w/v refers; H - depth of the reflecting boundary at the epicenter of curvature;

Card 1/2

The connection between the ...

S/124/62/000/003/049/052
D237/D302

T_0 - half-period of the times of arrival of central reflected rays,
read from the direct and inverse hodographs. [Abstractor's note:
Complete translation].

Card 2/2

✓

S/169/62/000/005/020/093
D228/D307

AUTHOR: Urupov, A. K.

TITLE: The relation of the effective and the true velocities
in the case of a curvilinear reflecting boundary


PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 26, ab-
stract 5A209 (Uch. zap. Permsk. un-t, 18, no. 4,
1961, 19-28)

TEXT: The relation of the effective velocity, determinable from
the counter-hodographs of reflected waves, and the true velocity
in the medium, covering a curvilinear reflecting boundary, was in-
vestigated. The reflecting boundary is considered to be an aggre-
gate of circular elements, for whose curvature centers arbitrary
positions may be taken in relation to the explosion points. The
curvature radii are thereby much greater than the explosion inter-
val, and each pair of counter-hodographs can be ascribed to one
circular element. A study was made of the influence of the bounda-
ry's curvature and the position of the center of curvature in re-

Card 1/2

The relation of the ...

S/169/62/000/005/020/093
D228/D307

spect of the explosion points on the deviation of the effective velocity from the true speed. Pallets, which can be used together with isochrone and effective velocity charts to obtain information about the boundary's shape and the velocity distribution in the covering stratum, are proposed. A number of criteria are indicated for distinguishing positive and negative structures according to the data about the behavior of the effective velocities and of the travel time of reflected waves within the area under investigation. 
[Abstracter's note: Complete translation.]

Card 2/2

S/169/62/000/005/019/093
D228/D307

AUTHOR: Urupov, A. K. and Sharina, K. V.

TITLE: The frequency characteristics of leveling the results of observations

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 26, abstract 5A207 (Uch. zap. Permsk. un-t, 18, no. 4, 1961, 77-82)

TEXT: The frequency characteristics of groups of receivers (sources) with a homogeneous, a triangular, and a parabolic sensitivity distribution (parabolic equalizing) are analyzed and compared.
/Abstracter's note: Complete translation./

Card 1/1

S/169/62/000/005/018/093
D228/D307

3.9300

AUTHOR: Urupov, A. K.

TITLE: Estimating the gain in grouping seismic detectors

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 26, abstract 5A206 (Uch. zap. Permsk. un-ta, 18, no. 4, 1961, 83-88)

TEXT: It is suggested that an estimate should be made of the gain in the effective wave energy with respect to the wave-interference energy in grouping seismic detectors, on the assumption that within the equipment's transmission frequencies the amplitudes of the spectra of the effective wave and the wave-interference have a constant value. The corresponding formulas are given. [Abstracter's note: Complete translation.] ✓ B

Card 1/1

S/169/62/000/007/029/149
D228/D307

AUTHOR: Urupov, A. K.

TITLE: Study of horizontal changes in the mean stratal velocities in the Russian Platform's sedimentary strata from reflected wave hodographs

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 22, abstract 7A146 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poikov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 301-306)

TEXT: A study was made of horizontal changes in the mean stratal velocity in the upper terrigenous and carbonate complex of the Russian Platform's deposits. The initial data were obtained when interpreting the hodographs of waves, reflected from the base of the upper terrigenous stratum and from interfaces in the carbonate stratum, by a method suggested by the author. It is shown that the mean stratal velocities, determined from reflected wave hodographs and by means of seismic well logging, are practically coincident. ✓

Card 1/2

S/169/62/000/007/029/149
D228/D307

Study of horizontal ...

The same conclusion, but in a more cautious form, is drawn for the mean stratal velocities v_2^1 in the carbonate stratum. It was established that there are intense local changes in v_2^1 ; these can be distinctly correlated with changes in the resistivity and the porosity, exposed in the study of the cores. At the same time, local changes in v_2^1 cannot be related to geologic factors, but it is possible to explain them by systematic errors in the determination of v_2^1 . Such errors may be due to the curvature of the reflecting boundaries. Several methods are proposed for the joint qualitative and quantitative interpretation of the diagrams and graphs of v_2^1 and t_0 (the travel time of the central ray in the same stratum). These permit the exclusion of the distorting influence of curvilinear boundaries and layer-by-layer velocity zoning on the seismic constructions. /-Abstracter's note: Complete translation./

Card 2/2

S/169/62/000/012/023/095
D228/D307

AUTHOR:

Urupov, A.K.

TITLE:

Errors in interpreting reflection survey observations

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1962, 33,
abstract 12A282 (Uch. zap. Permsk. un-t, 15, no. 1,
1960, 63-67)

TEXT:

A classification is given of errors in the interpretation of reflection survey data for platform regions. The errors are divided into two groups according to their cause (errors of measurement and errors of assumption) and according to the nature of their manifestation (constant errors and those with alternating sign). Errors with alternating sign are subdivided into high- and low-frequency errors and are considered in more detail. High-frequency errors represent no great interpretational hazard. Filtration or smoothing is a sufficiently effective way of dealing with them. Low-frequency errors are the chief cause of incorrect interpretation, especially those related to wave superposition and phase-

Card 1/2

Card 2/

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ACCESSION NR: AR3006557

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TF

S/0169/63/000/008/D017/D017

SOURCE: RZh. Geofizika, Abs. 8D103

AUTHOR: Urupov, A. K.

TITLE: Determination of the velocities of strata and media without calculation of effective velocities

CITED SOURCE: Uch. zap. Permsh. un-t, v. 24, no. 2, 1962, 11-17

TOPIC TAGS: hodograph, reflected wave, wave velocity, wave propagation

TRANSLATION: A method of calculating the layer and mean velocities directly from hodographs of reflected waves is described. Making use of a solution of a direct problem of the propagation time of reflected waves in a layered medium up to the surface, the author obtained approximate equations for solving the inverse problem. The total of the time on the hodographs and the time t_0 of the central rays of the waves reflected from the top and bottom of a layer is used for determining the velocity in any layer. The method is proved on theoretical hodographs constructed for several cases of the structure of a medium and in this way

Card 1/2

Card 2/2

Reduction of errors in determining velocities from hodographs
of reflected waves. Izv. AN SSSR. Ser. geofiz. no.10:1508-1521
O '63. (MIRA 16:12)

1. Permskiy gosudarstvennyy universitet im. A.M.Gor'kogo.

URUPOV, A.K.; KIVOKURTSEV, V.I.

Interpretation of observations by the reflected waves method with the
aid of parametric diagrams Razved. geofiz. no.1:27-32 '64. (MIRA 18:7)

URUPOV, A.K.; BYAKOV, Yu.A.

Evaluation of the reflection coefficient based on the data of electric logging and neutron gamma-ray logging. Razved. geofiz no.2:36-38 '64.
(MIRA 1875)

L 23070-65 EWT(1)/EWA(h) Feb OW

ACCESSION NR: AT4049374

S/2552/64/000/040/0003/0015

AUTHOR: Urupov, A.K.

TITLE: Integral determination of effective velocities from synphase axes on seismic tapes

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika, no. 40, 1964, 3-15

TOPIC TAGS: seismography, seismic tape, synphase axis, effective velocity, time summation

ABSTRACT: In practice, the extraction of all the information contained on seismic tapes requires a determination of the effective velocities or other quantities functionally connected to these velocities. A method is described here for the determination of such velocities by time integration along the synphase axes of seismic tapes. It is based on an integral equation derived from the method of time summation as proposed by A. K. Urupov (Uch. zap. Permskogo gos. un-ta, vol. II, no. 1, 1959). The article presents the integral approach for the determination of effective velocities and the methods for information retrieval from seismic tapes, and discusses the stability and accuracy of the

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ACCESSION NR: AT4049374

determination and the averaging of data. The method has all the merits of known analytic approaches and determines the velocities directly from the tapes without a prior calculation of times and construction of hodographs. Information recorded by means of planimeters is lined up along the time and space axes and is transformed into graphs and charts showing the changes in average velocity. The method allows the use of automatic devices which will be constructed in the near future. Orig. art. has: 19 formulas, 5 figures, and 1 table. 0

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, UP

NO REF SOV: 008

OTHER: 000

Card 2/2

URUPOV, A.K.; BZAKOV, Yu.A.

Finding multiple refracted waves. Inv. vys. monit. zav.; no. 1 i gaz
7 no. 5:13-16 '64. (MIRA 17:9)

1. Permskiy gosudarstvennyy universitet im. A.M. Gor'kogo.

ACC NR: AT0020480

(A,N)

SOURCE CODE: UR/3152/65/000/009/0003/0011

AUTHOR: Urupov, A. K.; Spasokiy, B. A.

ORG: none

TITLE: Use of seismic recordings with an automatic regulator of amplification in determining dynamic characteristics by the reflected wave method

SOURCE: Razvedochnaya geofizika, no. 9, 1965, 3-11

TOPIC TAGS: reflected shock wave, seismologic instrument

ABSTRACT: The authors discuss the possibility of making the method of identification of reflected waves quantitative. For this purpose, the signals received by the instrument are amplified by means of an automatic regulator of amplification. In general, the method is based on the damping of oscillations, which is produced either by dissipation or absorption of the energy. The authors reached the following conclusions: the "beta" parameters are smaller when the regulator is used. In general, the results are comparable whether the regulator is automatic or exponential or no regulator used at all. In the case of either regulator, harmonics should be identified and eliminated from the seismogram. Orig. art. has: 4 figures.

SUB CODE: 08/

SUBM DATE: none/

ORIG REF: 002

Card 1/1

ACC NR: AR6024840

SOURCE CODE: UR/0169/66/000/004/D018/D018

AUTHOR: Urupov, A. K.; Nevolin, L. P.

TITLE: The shape of the velocity indicatrix in the case of lamellar and fissured media based on ultrasonic simulation data

SOURCE: Ref. zh. Geofizika, Abs. 4D120

REF SOURCE: Uch. zap. Permsk. un-t, no. 127, 1965, 100-105

TOPIC TAGS: wave mechanics, logitudinal wave, acoustic wave, elastic wave

ABSTRACT: Two-dimensional models were used in experimental investigations of quasi-anisotropy in the velocity of elastic waves in lamellar and fissured media. The models were in the form of plates with systems of parallel grooves and protrusions, respectively, simulating lamination and fissility. Some of the models had two systems of grooves and protrusions intersecting at an angle of 30°, 50°, or 70°. The depth of grooves in this case was considerably smaller than the prevailing wavelength in the emitted pulse. In the case of models with a single system of grooves, the velocity indicatrix of the longitudinal wave had the shape of an ellipse. The maximum velocity was equal to the velocity in a plate without grooves, and the minimum velocity was 0.89 of that velocity. In models with two systems of grooves the indicatrix had a complex shape: directions of maxima coincided with the directions of grooves, whereas velocity minima were in the diagonal directions. An empirical formula was

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derived which describes the velocity indicatrix in media with several systems of layers and fissures. [Translation of abstract] L. Ratnikova

SUB CODE: 20

Cord 2/2

ACC NR: AR6024841

SOURCE CODE: UR/0169/66/000/004/D019/D019

AUTHOR: Urupov, A. K.

TITLE: The difference in effective velocities when different filtering is used

SOURCE: Ref. zh. Geofizika, Abs. 4D122

REF SOURCE: Uch. zap. Permsk. un-t, no. 127, 1965, 8-17

TOPIC TAGS: filtration, seismography, hodograph

ABSTRACT: The distortion of V_{eff} caused by the variation of the hodograph slope and the distortion caused by the parallel translation of the phase hodograph relative to the initial velocity leads to the inequality $V_{eff}^{hf} > V_{eff}^{lf}$. During parallel hodograph translation the distortion increases with decreasing frequency and causes V_{eff} to decrease leading to the following inequality $V_{eff}^0 > V_{eff}^{nf} > V_{eff}^{lf}$. When the hodograph slope varies the distortion increases with increasing frequency causing V_{eff} to increase which leads to the following inequality $V_{eff}^{nf} > V_{eff}^{lf} > V_{eff}^0$. Thus the effects caused by these two factors may be compensated by the selection of appropriate filters and the velocity calculated from the phase hodograph of V_{eff} may be equal to the hodograph of the initial velocity V_0 . In the undercompensated case of either

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ACC NR: AR6024841

$V_0 < V_{eff}$ or $V_0 > V_{eff}$ but the following always holds $V_{eff}^{hf} > V_{eff}^{lf}$. To find and determine the causes of distortion of V_{eff} it is necessary to record the vibrations as the minimum of the two essentially different filtrations. [Translation of abstract] Author's conclusions.

SUB CODE: 08

Card 2/2

URUPOV, A.K.; KIVOKURTSEV, V.I.

Setting up reflecting boundaries with the aid of parametric diagrams. Uch. zap. Perm. gos. un. no.122:10-15 '64.

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